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## KOREAN PATENT ABSTRACTS



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**(54) LOW NOISE AMPLIFIER IN MOBILE COMMUNICATION TERMINAL**

(57) Abstract:

PURPOSE: A low noise amplifier in a mobile communication terminal is provided to lower a total noise level and improve receiving sensitivity by removing spurious components from an amplified RF signal. CONSTITUTION: The first amplification portion(100) receives an RF signal through a duplexer portion(1), amplifies the RF signal, and outputs the amplified signal to an LC band pass filter portion(200). The LC band pass filter portion(200) receives the amplified signal, filters spurious components such as harmonics from the amplified signal, and outputs the filtered signal to the second amplification portion(300). The second amplification portion(300) receives the filtered signal from the LC band pass filter portion(200), amplifies the filtered signal, and

